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NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 FEB 25 CA/CAPLUS - Russian Agency for Patents and Trademarks  
(ROSPATENT) added to list of core patent offices covered  
NEWS 4 FEB 28 PATDPAFULL - New display fields provide for legal status  
data from INPADO  
NEWS 5 FEB 28 BABS - Current-awareness alerts (SDIs) available  
NEWS 6 FEB 28 MEDLINE/LMEDLINE reloaded  
NEWS 7 MAR 02 GBFULL: New full-text patent database on STN  
NEWS 8 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced  
NEWS 9 MAR 03 MEDLINE file segment of TOXCENTER reloaded  
NEWS 10 MAR 22 KOREAPAT now updated monthly; patent information enhanced  
NEWS 11 MAR 22 Original IDE display format returns to REGISTRY/ZREGISTRY  
NEWS 12 MAR 22 PATDPASPC - New patent database available  
NEWS 13 MAR 22 REGISTRY/ZREGISTRY enhanced with experimental property tags  
NEWS 14 APR 04 EPFULL enhanced with additional patent information and new  
fields  
NEWS 15 APR 04 EMBASE - Database reloaded and enhanced  
NEWS 16 APR 18 New CAS Information Use Policies available online  
  
NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005  
  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 18:02:09 ON 21 APR 2005

=> file caplus uspatful europatful japio medline biosis embase scisearch  
'EUROPATFUL' IS NOT A VALID FILE NAME  
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files  
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FILE 'CAPLUS' ENTERED AT 18:07:25 ON 21 APR 2005  
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=> s implant and macromer  
AND IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> .  
. IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=>  
<-----User Break----->

=> s (implant and macromer)  
AND IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> s implant  
=> s implant?  
L1 994797 IMPLANT?

=> s l1 and macromer  
L2 444 L1 AND MACROMER

=> s l1 and biocompat?  
L3 55741 L1 AND BIOCOMPAT?

```

=> s l2 and biocompat?
L4          295 L2 AND BIOCOMPAT?

=> s l4 and ((drug delivery) or bioeffect? or biologically(w)effect? or
biologically(w)activ? or drug or pharmaceut?)
  1 FILES SEARCHED...
  5 FILES SEARCHED...
  6 FILES SEARCHED...
  7 FILES SEARCHED...
L5          239 L4 AND ((DRUG DELIVERY) OR BIOEFFECT? OR BIOLOGICALLY(W) EFFECT
? OR BIOLOGICALLY(W) ACTIV? OR DRUG OR PHARMACEUT?)

=> s l5 and aggregat?
L6          86 L5 AND AGGREGAT?

=> s l6 and (macromer? or ((polyethylene glycol) or hyaluron? or
(polyvinylpyrrolidone))
UNMATCHED LEFT PARENTHESIS 'AND (MACROMER?'
The number of right parentheses in a query must be equal to the
number of left parentheses.

=> s l6 and (macromer? or ((polyethylene glycol) or hyaluron? or
(polyvinylpyrrolidone)))
L7          86 L6 AND (MACROMER? OR ((POLYETHYLENE GLYCOL) OR HYALURON? OR
(POLYVINYLPIRROLIDONE)))

=> s l7 and ((central core) or core)
L8          63 L7 AND ((CENTRAL CORE) OR CORE)

=> s l8 and ((polyethylene glycol) or (polyethylene oxide) or (polyvinyl alcohol)
or (polyvinylpyrrolidone) or polyethyloxazoline or ((polyethylene oxide co
polypropylene oxide)) or polysaccharide? or carbohydrate? or protein?)
  6 FILES SEARCHED...
L9          63 L8 AND ((POLYETHYLENE GLYCOL) OR (POLYETHYLENE OXIDE) OR (POLYV
INYL ALCOHOL) OR (POLYVINYLPIRROLIDONE) OR POLYETHYLOXAZOLINE
OR ((POLYETHYLENE OXIDE CO POLYPROPYLENE OXIDE)) OR POLYSACCHARI
DE? OR CARBOHYDRATE? OR PROTEIN?)

=> s l9 and (degrad? or biodegrad? or (polyalphahydroxy acid) or polylactone or
polyamino or polyanhydride or polyorthoester or polycarbonate or polyphosphoester?)
L10         62 L9 AND (DEGRAD? OR BIODEGRAD? OR (POLYALPHAHYDROXY ACID) OR
POLYLACTONE OR POLYAMINO OR POLYANHYDRIDE OR POLYORTHOESTER OR
POLYCARBONATE OR POLYPHOSPHOESTER?)

=> s l10 and (end group?) and polymer?
L11         40 L10 AND (END GROUP?) AND POLYMER?

=> s l11 and (triethanolamine or tris or SDS or (sodium dodecyl sulfate))
L12         26 L11 AND (TRIETHANOLAMINE OR TRIS OR SDS OR (SODIUM DODECYL SULFA
TE))

=> s l12 and (surfact? or (tween 20) or (tween 80) or (poloxamer F68))
L13         13 L12 AND (SURFACT? OR (TWEEN 20) OR (TWEEN 80) OR (POLOXAMER
F68))

=> s l13 and (intravenous? or subcutaneous? or intramuscular? or oral? or nasal? or
intranasal?)
L14         8 L13 AND (INTRAVENOUS? OR SUBCUTANEOUS? OR INTRAMUSCULAR? OR
ORAL? OR NASAL? OR INTRNASAL?)

=> d l14 1-8 ibib abs
L14 ANSWER 1 OF 8  USPATFULL on STN

```

ACCESSION NUMBER: 2004:273265 USPATFULL  
TITLE: Methods and compositions to treat myocardial conditions  
INVENTOR(S): Michal, Eugene T., San Francisco, CA, UNITED STATES  
Mandrusov, Evgenia, Campbell, CA, UNITED STATES  
Claude, Charles D., Santa Clara, CA, UNITED STATES  
Ding, Ni, San Jose, CA, UNITED STATES  
Simhambhatla, Murthy, San Jose, CA, UNITED STATES  
Hossainy, Syed Faiyaz Ahmed, Fremont, CA, UNITED STATES  
Sridharan, Srinivasan, Morgan Hill, CA, UNITED STATES  
Consigny, Paul, San Jose, CA, UNITED STATES

|                       | NUMBER  | KIND | DATE          |
|-----------------------|---|------|---------------|
| PATENT INFORMATION:   | US 2004213756   | A1   | 20041028      |
| APPLICATION INFO.:    | US 2003-414767  | A1   | 20030415 (10) |
| DOCUMENT TYPE:        | Utility   |      |               |
| FILE SEGMENT:         | APPLICATION   |      |               |
| LEGAL REPRESENTATIVE: | BLAKELY SOKOLOFF TAYLOR & ZAFMAN, 12400 WILSHIRE<br>BOULEVARD, SEVENTH FLOOR, LOS ANGELES, CA, 90025-1030 |      |               |
| NUMBER OF CLAIMS:     | 82  |      |               |
| EXEMPLARY CLAIM:      | 1   |      |               |
| NUMBER OF DRAWINGS:   | 35 Drawing Page(s)  |      |               |
| LINE COUNT:           | 2862  |      |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods, devices, kits and compositions to treat a myocardial infarction. In one embodiment, the method includes the prevention of remodeling of the infarct zone of the ventricle. In other embodiments, the method includes the introduction of structurally reinforcing agents. In other embodiments, agents are introduced into a ventricle to increase compliance of the ventricle. In an alternative embodiment, the prevention of remodeling includes the prevention of thinning of the ventricular infarct zone. In another embodiment, the prevention of remodeling and thinning of the infarct zone involves the cross-linking of collagen and prevention of collagen slipping. In other embodiments, the structurally reinforcing agent may be accompanied by other therapeutic agents. These agents may include but are not limited to pro-fibroblastic and angiogenic agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 2 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2004:267308 USPATFULL  
TITLE: Methods and compositions to treat myocardial conditions  
INVENTOR(S): Michal, Eugene T., San Francisco, CA, UNITED STATES  
Mandrusov, Evgenia, Campbell, CA, UNITED STATES  
Claude, Charles D., Santa Clara, CA, UNITED STATES  
Ding, Ni, San Jose, CA, UNITED STATES  
Simhambhatla, Murthy, San Jose, CA, UNITED STATES  
Ahmed Hossainy, Syed Faiyez, Fremont, CA, UNITED STATES  
Sridharan, Srinivasan, Morgan Hill, CA, UNITED STATES  
Consigny, Paul, San Jose, CA, UNITED STATES

|                       | NUMBER  | KIND | DATE          |
|-----------------------|---|------|---------------|
| PATENT INFORMATION:   | US 2004208845   | A1   | 20041021      |
| APPLICATION INFO.:    | US 2003-414602  | A1   | 20030415 (10) |
| DOCUMENT TYPE:        | Utility   |      |               |
| FILE SEGMENT:         | APPLICATION   |      |               |
| LEGAL REPRESENTATIVE: | BLAKELY SOKOLOFF TAYLOR & ZAFMAN, 12400 WILSHIRE<br>BOULEVARD, SEVENTH FLOOR, LOS ANGELES, CA, 90025-1030 |      |               |
| NUMBER OF CLAIMS:     | 101   |      |               |
| EXEMPLARY CLAIM:      | 1   |      |               |
| NUMBER OF DRAWINGS:   | 35 Drawing Page(s)  |      |               |

LINE COUNT: 2925

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods, devices, kits and compositions to treat a myocardial infarction. In one embodiment, the method includes the prevention of remodeling of the infarct zone of the ventricle. In other embodiments, the method includes the introduction of structurally reinforcing agents. In other embodiments, agents are introduced into a ventricle to increase compliance of the ventricle. In an alternative embodiment, the prevention of remodeling includes the prevention of thinning of the ventricular infarct zone. In another embodiment, the prevention of remodeling and thinning of the infarct zone involves the cross-linking of collagen and prevention of collagen slipping. In other embodiments, the structurally reinforcing agent may be accompanied by other therapeutic agents. These agents may include but are not limited to pro-fibroblastic and angiogenic agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 3 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2004:203025 USPATFULL

TITLE: Slow release **protein polymers**

INVENTOR(S): Rowe, Stephen C., Wellesley, MA, UNITED STATES  
Yim, Calvin, North Andover, MA, UNITED STATES  
Retnarajan, Beadle P., Beverly, MA, UNITED STATES  
Hubbell, Jeffrey A., Zumikon, SWITZERLAND  
Annavajula, Durga, Acton, MA, UNITED STATES

|                       | NUMBER  | KIND | DATE          |
|-----------------------|---|------|---------------|
| PATENT INFORMATION:   | US 2004156914   | A1   | 20040812      |
| APPLICATION INFO.:    | US 2003-650115  | A1   | 20030826 (10) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 2001-772174, filed on 29 Jan 2001, GRANTED, Pat. No. US 6699504 |      |               |

|                       | NUMBER  | DATE          |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 2000-178852P   | 20000128 (60) |
| DOCUMENT TYPE:        | Utility   |               |
| FILE SEGMENT:         | APPLICATION   |               |
| LEGAL REPRESENTATIVE: | CLARK & ELBING LLP, 101 FEDERAL STREET, BOSTON, MA, 02110 |               |
| NUMBER OF CLAIMS:     | 10  |               |
| EXEMPLARY CLAIM:      | 1   |               |
| NUMBER OF DRAWINGS:   | 7 Drawing Page(s)   |               |
| LINE COUNT:           | 1592  |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention features articles for delivery of a **biologically active** substance, methods for making such articles, and methods for treating an animal using the articles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 4 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2004:179159 USPATFULL

TITLE: Gels for encapsulation of biological materials

INVENTOR(S): Hubbell, Jeffrey A., San Marino, CA, UNITED STATES  
Pathak, Chandrashekhkar P., Lexington, MA, UNITED STATES  
Sawhney, Amarpreet S., Lexington, MA, UNITED STATES  
Desai, Neil P., Los Angeles, CA, UNITED STATES  
Hossainy, Syed F.A., San Carlos, CA, UNITED STATES  
Hill-West, Jennifer L., Pasadena, CA, UNITED STATES  
PATENT ASSIGNEE(S): Board of Regents of the University of Texas System (U.S. corporation)

|  | NUMBER   | KIND | DATE          |
|--|--|------|---------------|
| PATENT INFORMATION:                        | US 2004138329  | A1   | 20040715      |
| APPLICATION INFO.:                         | US 2003-743687   | A1   | 20031219 (10) |
| RELATED APPLN. INFO.:                      | Continuation of Ser. No. US 2001-910663, filed on 19 Jul 2001, ABANDONED Continuation of Ser. No. US 1995-510089, filed on 1 Aug 1995, ABANDONED Continuation-in-part of Ser. No. US 1992-958870, filed on 7 Oct 1992, GRANTED, Pat. No. US 5529914 Continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, ABANDONED |      |               |
| DOCUMENT TYPE:                             | Utility  |      |               |
| FILE SEGMENT:                              | APPLICATION  |      |               |
| LEGAL REPRESENTATIVE:                      | IRELL & MANELLA LLP, 1800 AVENUE OF THE STARS, SUITE 900, LOS ANGELES, CA, 90067   |      |               |
| NUMBER OF CLAIMS:                          | 36   |      |               |
| EXEMPLARY CLAIM:                           | 1  |      |               |
| NUMBER OF DRAWINGS:                        | 22 Drawing Page(s)   |      |               |
| LINE COUNT:                                | 3258   |      |               |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. |  |      |               |

AB This invention provides novel methods for the formation of **biocompatible** membranes around biological materials using photopolymerization of water soluble molecules. The membranes can be used as a covering to encapsulate biological materials or biomedical devices, as a "glue" to cause more than one biological substance to adhere together, or as carriers for **biologically active** species.

Several methods for forming these membranes are provided. Each of these methods utilizes a **polymerization** system containing water-soluble **macromers**, species which are at once **polymers** and macromolecules capable of further **polymerization**. The **macromers** are **polymerized** using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator, and radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension **polymerization** or by interfacial **polymerization**. The **polymer** membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 5 OF 8 USPATFULL on STN  
 ACCESSION NUMBER: 2003:127770 USPATFULL  
 TITLE: Gels for encapsulation of biological materials  
 INVENTOR(S): Hubbell, Jeffrey A., San Marino, CA, UNITED STATES  
 Pathak, Chandrashekhar P., Lexington, MA, UNITED STATES  
 Sawhney, Amarpreet S., Lexington, MA, UNITED STATES  
 Desai, Neil P., Los Angeles, CA, UNITED STATES  
 Hossainy, Syed F.A., San Carlos, CA, UNITED STATES  
 Hill-West, Jennifer L., Pasadena, CA, UNITED STATES

|                       | NUMBER  | KIND | DATE         |
|-----------------------|---|------|--------------|
| PATENT INFORMATION:   | US 2003087985   | A1   | 20030508     |
| APPLICATION INFO.:    | US 2001-910663  | A1   | 20010719 (9) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1995-510089, filed on 1 Aug 1995, ABANDONED Continuation-in-part of Ser. No. US 1992-958870, filed on 7 Oct 1992, GRANTED, Pat. No. US 5529914 Continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, ABANDONED |      |              |

Continuation-in-part of Ser. No. US 1995-379848, filed on 27 Jan 1995, GRANTED, Pat. No. US 5626863  
Continuation of Ser. No. US 1993-22687, filed on 1 Mar 1993, GRANTED, Pat. No. US 5410016 Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, ABANDONED Continuation-in-part of Ser. No. US 1994-336393, filed on 10 Nov 1994, GRANTED, Pat. No. US 5820882 Continuation of Ser. No. US 1990-598880, filed on 15 Oct 1990, ABANDONED

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: LYON & LYON LLP, 633 WEST FIFTH STREET, SUITE 4700, LOS ANGELES, CA, 90071

NUMBER OF CLAIMS: 36  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 22 Drawing Page(s)  
LINE COUNT: 3246

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides novel methods for the formation of **biocompatible** membranes around biological materials using photopolymerization of water soluble molecules. The membranes can be used as a covering to encapsulate biological materials or biomedical devices, as a "glue" to cause more than one biological substance to adhere together, or as carriers for **biologically active** species.

Several methods for forming these membranes are provided. Each of these methods utilizes a **polymerization** system containing water-soluble **macromers**, species which are at once **polymers** and macromolecules capable of further **polymerization**. The **macromers** are **polymerized** using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator, and radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension **polymerization** or by interfacial **polymerization**. The **polymer** membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 6 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2003:113598 USPATFULL  
TITLE: **Degradable** cross-linking agents and cross-linked network **polymers** formed therewith

INVENTOR(S): Kiser, Patrick F., Salt Lake, UT, UNITED STATES  
Thomas, Allen A., Loveland, CO, UNITED STATES

|                       | NUMBER  | KIND | DATE          |
|-----------------------|---|------|---------------|
| PATENT INFORMATION:   | US 2003078339   | A1   | 20030424      |
| APPLICATION INFO.:    | US 2002-228398  | A1   | 20020827 (10) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1999-338404, filed on 22 Jun 1999, GRANTED, Pat. No. US 6521431 |      |               |
| DOCUMENT TYPE:        | Utility   |      |               |
| FILE SEGMENT:         | APPLICATION   |      |               |
| LEGAL REPRESENTATIVE: | JACKSON WALKER, L.L.P., SUITE 2100, 112 EAST PECAN ST., SAN ANTONIO, TX, 78205              |      |               |
| NUMBER OF CLAIMS:     | 35  |      |               |
| EXEMPLARY CLAIM:      | 1   |      |               |
| NUMBER OF DRAWINGS:   | 5 Drawing Page(s)   |      |               |
| LINE COUNT:           | 1866  |      |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB     **Degradable** cross-linkers which are used to form **polymer** networks which **degrade** under aqueous conditions are described. These cross-linkers comprise a central polyacid, monomeric or oligomeric **degradable** regions and an optional water soluble regions. These monomers are preferably **polymerized** using free radical or condensation **polymerization**. **Degradation** occurs at the ester linkages after cross-linking **polymer** filaments, and results in soluble **polymer** filaments which may be cleared from the body. Preferred applications of these materials include, for example, controlled release of drugs and cosmetics, tissue engineering, wound healing, hazardous waste remediation, metal chelation, swellable devices for absorbing liquids and the prevention of surgical adhesions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 7 OF 8 USPATFULL on STN

ACCESSION NUMBER:       2002:272507 USPATFULL  
TITLE:                   Controlled release of anti-arrhythmic agents  
INVENTOR(S):            Philbrook, C. Michael, Boston, MA, UNITED STATES  
                         Burns, James W., Watertown, MA, UNITED STATES  
                         Skinner, Kevin C., Andover, MA, UNITED STATES  
                         Miller, Robert J., Quincy, MA, UNITED STATES  
PATENT ASSIGNEE(S):     Genzyme Corporation (U.S. corporation)

|                     | NUMBER        | KIND | DATE          |
|---------------------|---------------|------|---------------|
| PATENT INFORMATION: | US 2002150622 | A1   | 20021017      |
| APPLICATION INFO.:  | US 2001-33274 | A1   | 20011227 (10) |

|                       | NUMBER  | DATE          |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 2000-258369P   | 20001227 (60) |
| DOCUMENT TYPE:        | Utility   |               |
| FILE SEGMENT:         | APPLICATION   |               |
| LEGAL REPRESENTATIVE: | PATREA L. PABST, HOLLAND & KNIGHT LLP, SUITE 2000, ONE ATLANTIC CENTER, 1201 WEST PEACHTREE STREET, N.E., ATLANTA, GA, 30309-3400 |               |
| NUMBER OF CLAIMS:     | 42  |               |
| EXEMPLARY CLAIM:      | 1   |               |
| NUMBER OF DRAWINGS:   | 5 Drawing Page(s)   |               |
| LINE COUNT:           | 1405  |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB     Methods for the simple, reliable application and local controlled release of selected anti-arrhythmia drugs from a hydrogel applied to or **polymerized** on the tissues of the heart or its vessels, especially in conjunction with cardiac bypass or other cardiac surgery, have been developed. The anti-arrhythmia drugs are incorporated into hydrogels that **biodegrade** and adhere to the tissues to which the anti-arrhythmic drugs are to be delivered. The hydrogels may be formed in vitro or in vivo. In a preferred embodiment, the drugs are effective to lengthen atrial effective refractory period. A particularly preferred **drug** is amiodarone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 8 OF 8 USPATFULL on STN

ACCESSION NUMBER:       2001:223730 USPATFULL  
TITLE:                   Slow release **protein polymers**  
INVENTOR(S):            Rowe, Stephen C., Wellesley, MA, United States  
                         Yim, Calvin, North Andover, MA, United States  
                         Retnarajan, Beadle P., Beverly, MA, United States



Hubbell, Jeffrey A., Zumikon, Switzerland  
Annavajula, Durga, Acton, MA, United States

|                     | NUMBER         | KIND | DATE         |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 2001048947  | A1   | 20011206     |
|                     | US 6699504     | B2   | 20040302     |
| APPLICATION INFO.:  | US 2001-772174 | A1   | 20010129 (9) |

|  | NUMBER   | DATE          |
|--|--|---------------|
| PRIORITY INFORMATION:                      | US 2000-178852P  | 20000128 (60) |
| DOCUMENT TYPE:                             | Utility  |               |
| FILE SEGMENT:                              | APPLICATION  |               |
| LEGAL REPRESENTATIVE:                      | CLARK & ELBING LLP, 176 FEDERAL STREET, BOSTON, MA,<br>02110-2214  |               |
| NUMBER OF CLAIMS:                          | 75   |               |
| EXEMPLARY CLAIM:                           | 1  |               |
| NUMBER OF DRAWINGS:                        | 7 Drawing Page(s)  |               |
| LINE COUNT:                                | 1802   |               |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. |  |               |
| AB   | The invention features articles for delivery of a <b>biologically active</b> substance, methods for making such articles, and methods for treating an animal using the articles. |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.